


EXHIBIT 19



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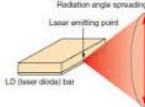



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[PDF] FAC LENS (Fast-Axis Collimating Lens) - Hamamatsu Photonics
https://www.hamamatsu.com/resources/pdf/etd/J10919_TOTH1005E.pdf ▼
 The J10919 series **FAC lens** is an optical lens that collimates light spreading from a semiconductor laser in the fast-axis direction. Semiconductor lasers have a ...

FAC lens - Doric Lenses
doriclenses.com/optical-components/276-fac-lens ▼
FAC lens. When full angle fast axis beam divergence of laser diode exceeds 60 ... collimating lens type is high refractive index acylindrical plano-convex lens.

Fast Axis Collimator Lenses (FACs) | FISBA
www.fisba.com/expertise/expertise-components/fast-axis-collimator-lenses-facs ▼
 ... under one roof in Switzerland. The fastest way to get one of our high performance FACs is to pick one out of our standard product list using our **FAC Selector**.

Images for FAC lens

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Fast-Axis Collimators - LIMO Lissotschenko Mikrooptik GmbH
<https://www.limo.de/en/products-and-solutions/mikrooptik/fast-axis-kollimator> ▼
 Fast-Axis Collimators (**FAC**). The "Fast-Axis Collimator" lens is the first and most important optical component of high-power diode laser systems. The large ...

Fast Axis Collimators | Edmund Optics
<https://www.edmundoptics.com/optics/optical-lenses/...lenses/fast-axis-collimators/> ▼
 Fast Axis Collimators are compact, high performance aspheric cylindrical lenses designed for beam shaping or laser diode collimation applications.

Fast-Axis Collimation - INGENERIC GmbH
<https://www.ingeneric.com/optical-components/fast-axis-collimation/> ▼
 INGENERIC **FAC**. The most important optical component in the beam shaping systems in high-power diode lasers is the Fast-Axis Collimation optic. The lenses ...

[PDF] fast-axis collimation optics fast-axis imaging optics - INGENERIC Gm...
https://www.ingeneric.com/wp-content/uploads/2015/12/INGENERIC_FAC.pdf ▼
FAC and FAI Lenses. PRODUCT SPECTRUM. In order to offer the best solution for your application INGENERIC provides a broad spectrum of Fast-Axis ...

FAC Attach - ficontec
www.ficontec.com/applications/fac-attach/ ▼
 A lens is placed in front of the laser diode's facet to collimate the fast axis, hence its name Fast Axis Collimator (**FAC**). Another lens does the same thing for the ...

1550 nm Pulsed Laser Diodes with integrated FAC Optics
www.lasercomponents.com/.../1550-nm-pulsed-laser-diodes-with-integrated-fac-optic... ▼
 Jul 18, 2011 - In our 1550 nm PLDs the divergence of the fast axis was optimized by the additional assembly of a fast axis collimation (**FAC**) lens that is ...

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